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DATE MAILED: 10/06/2004

APPLICATION NO.	FILI	NG DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
09/829,763	04/10/2001		Osamu Shibata	29288.0400	9593	
20322	7590	10/06/2004		EXAMINER		
SNELL & W				AKPATI, O	DAICHE T	
ONE ARIZONA CENTER 400 EAST VAN BUREN				ART UNIT	PAPER NUMBER	
PHOENIX, A	AZ 850040	0001	2135			

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)	V
	09/829,763	SHIBATA ET AL.	
Office Action Summary	Examiner	Art Unit	
	Tracey Akpati	2135	
The MAILING DATE of this communic Period for Reply	cation appears on the cover sheet w	vith the correspondence addres	S
A SHORTENED STATUTORY PERIOD FOTHE MAILING DATE OF THIS COMMUNION. - Extensions of time may be available under the provisions of after SIX (6) MONTHS from the mailing date of this community. - If the period for reply specified above is less than thirty (30). - If NO period for reply is specified above, the maximum states and the second period for reply within the set or extended period for reply within the set o	CATION. of 37 CFR 1.136(a). In no event, however, may a unication. days, a reply within the statutory minimum of thi tutory period will apply and will expire SIX (6) MOI will, by statute, cause the application to become A	reply be timely filed irty (30) days will be considered timely. NTHS from the mailing date of this commur. BANDONED (35 U.S.C. § 133).	nication.
Status			
1) Responsive to communication(s) filed	ion .		
	b)⊠ This action is non-final.		
3) Since this application is in condition f closed in accordance with the practic	or allowance except for formal mat	·	rits is
Disposition of Claims			
4) ☐ Claim(s) 1-4 is/are pending in the approximate the above claim(s) is/are 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-4 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restrict	e withdrawn from consideration.		
Application Papers			
9)☐ The specification is objected to by the	Examiner.		
10)⊠ The drawing(s) filed on 10 April 2001	is/are: a)⊠ accepted or b)⊡ obje	ected to by the Examiner.	
Applicant may not request that any object	tion to the drawing(s) be held in abeya	ince. See 37 CFR 1.85(a).	
Replacement drawing sheet(s) including 11) The oath or declaration is objected to	· ·	- · · · ·	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for a) All b) Some * c) None of: 1. Certified copies of the priority of the certified copies of the priority of the certified copies of the copies of the certified copies of application from the Internation * See the attached detailed Office action	documents have been received. documents have been received in a of the priority documents have been nal Bureau (PCT Rule 17.2(a)).	Application No n received in this National Stag	je
Attachment(s)		0 (070 (10)	
 Notice of References Cited (PTO-892) D Notice of Draftsperson's Patent Drawing Review (PT 		Summary (PTO-413) (s)/Mail Date	
3) Information Disclosure Statement(s) (PTO-1449 or F Paper No(s)/Mail Date <u>10/21/02, 4/10/01</u> .		Informal Patent Application (PTO-152)

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Angelo et al (5923754).

With respect to Claim 1, the limitation of "an internal-key storage section for storing an internal-key" is met by Fig. 2, reference nos. 38; and "a content-key storage section for storing a content-key" by Fig. 2, reference nos. 32; and "a determination section for determining whether or not a value of the content-key storage section in its initial state and a current value of the content-key storage section are different" on column 4, lines 3-16; and "an operation section, the operation section including a first decrypting section which, when an encrypted content-key is input to the operation section, decrypts the encrypted content-key using the internal-key so as to obtain a content-key and stores the content-key in the content-key storage section" on column 4, lines 59-61 and on Fig. 2, reference nos. 32 and Fig. 3, reference nos. 66; and "a second decrypting section which, when an encrypted content is input to the operation section and the determination section determines that the value of the content-key storage section in its initial state and the current value of the content-key storage section are different, decrypts the encrypted content using the current value of the content-key storage section as a content-key so as to obtain a first output data and outputs the first output data to outside of the decryption device" is met by

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Fig. 3, reference nos. 72 and column 4, lines 61-67 and on column 5, lines 1-3. The drive key, Dk represents the content key.

It would have been obvious to one of ordinary skill in the art at the time of the invention to have a determination section for determining whether or not the initial value and current value of the content-key storage section of the decryption device are different because the phase lock loop circuit of column 4, lines 5-16 ensures that these two values are unique. A random value drive key Dk is generated every time the DVD system is powered on. Hence the phase lock loop circuit performs the job of the determining section.

With respect to Claim 2, the limitation of "a content-key generation section which generates a content-key for encrypting a content based on random numbers" is met on column 4, lines 7-16; and "stores the generated content-key in the content-key storage section" is met on column 4, lines 18-19; and "wherein the operation section further includes a first encrypting section which encrypts the content-key for encrypting a content so as to obtain an encrypted content-key and outputs the encrypted content-key to outside of the decryption device" on column 4, lines 31-34. The product VkDk forms the encrypted content key. Further limitation of "a second encrypting section which, when a content is input to the operation section and the determination section determines that the value of the content-key storage section in its initial-state and the current value of the content-key storage section are different, encrypts the content using the current value of the content-key storage section as a content-key so as to obtain a second output data and outputs the second output data to outside of the decryption device" is met

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on column 3, lines 51-59. The encrypted data is encrypted using the content key, which is made up of the disk key.

With respect to Claim 3, the limitation of "a mutual authentication section for determining whether or not a mutual authentication has been made between the mutual authentication section and a storage device which is located outside tile decryption device and stores the encrypted content-key" is met on column 4, lines 42-52. The DVD drive querying the disk for key information and the disk providing this unique information serves as a mutual authentication between the DVD drive and the disk. Further limitation of "wherein the second decrypting section decrypts the encrypted content when the mutual authentication section determines that the mutual authentication has been made" is met on column 4, lines 57-67.

With respect to Claim 4, the limitation of "the internal-key storage section stores a plurality of internal-keys" is met by Fig. 2; and "the internal-key storage section selects one of the plurality of internal-keys as the internal-key based on internal-key selection information input from outside the decryption device to the decryption device" is met by Fig. 3.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tracey Akpati whose telephone number is 703-305-7820. The examiner can normally be reached on 8.30am-6.00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kim Vu can be reached on 703-305-4393. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Please note the Patent Office will be moving to the Alexandria campus in October. The new phone number for myself, Tracey Akpati is (571) 272-3846, my SPE, Kim Vu is (571) 272-3859 and the receptionist is (571) 272-2100.

OTA

PATENT EXAMINATION PATENT EXAMINATION